

ABSTRACT OF THE DISCLOSURE

A surface emitting laser alleviated in reflection from facets of its active layer and waveguide layer and remarkably improved in oscillation property is configured not to make vertical side surfaces relative to the active layer or the waveguide direction. In VCSEL, side surfaces of the active layer are processed not to made vertical surfaces. In GCSEL, its crystalline surface orientation and its waveguide structure are chosen appropriately not to make upright surfaces on facets of the waveguide.

10076698-021303